# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

## BYATARAYANAPURA DIVISION

## KODIGEHALLI SUB DIVISOIN

**Name of Work: Maintenance of Existing Borewells in ward No. 08- Amruthahalli Surrounding area**

**Est Cost : 20.00 Lakhs**

# ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

**ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 08(ಅಮೃತಹಳ್ಳಿ) ವ್ಯಾಪ್ತಿಯ** Maintenance of Existing Borewells in ward No. 08- Amruthahalli Surrounding area **ಕಾಮಗಾರಿಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.**

**ಉಲ್ಲೇಖ: ಮಾನ್ಯ ವಲಯ ಆಯುಕ್ತರು, ಯಲಹಂಕ ವಲಯ ರವರ ಟಿಪ್ಪಣಿ ಅನುಮೋದನೆ ಸಂಖ್ಯೆ. 232/2024-25, ದಿ. 29.07.2024**

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 08(ಅಮೃತಹಳ್ಳಿ) ವ್ಯಾಪ್ತಿಯ Maintenance of Existing Borewells in ward No. 08- Amruthahalli Surrounding area ಕಾಮಗಾರಿಗೆ ರೂ. 20.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ 2023-24ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ 05-330406 ವಿಶೇಷ ಅಭಿವೃದ್ಧಿ ವಿವೇಚನೆಗೆ ಒಳಪಟ್ಟ ಅನುದಾನ-ಮೇಲು ಸೇತುವೆ/ ಸುರಂಗ ಮಾರ್ಗ ಪಿ-3911 ಅಡಿಯಲ್ಲಿ ಮೀಸಲಿಟ್ಟಿರುವ ಅನುದಾನದಲ್ಲಿ ರೂ. 40.00 ಕೋಟಿಗಳ ಉಳಿತಾಯದ ಅನುದಾನವನ್ನು ಪಿ-1802ಗೆ ಅನುದಾನ ಮರು ಹೊಂದಾಣಿಕೆ ಮಾಡಿ ಯಲಹಂಕ ವಲಯಕ್ಕೆ ರೂ. 9.00 ಕೋಟಿ ಮೀಸಲಿರಿಸಲಾಗಿದ್ದು, ಸದರಿ ಅನುದಾನ ಬಳಕೆಗಾಗಿ ಮಾನ್ಯ ವಲಯ ಆಯುಕ್ತರು, ಯಲಹಂಕ ವಲಯ ರವರ ಅನುಮೋದನೆಯಂತೆ ಈ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಹಾಲಿ ಇರುವ ಕೊಳವೆ ಬಾವಿಗಳನ್ನು ನಿರ್ವಹಣೆ ಮಾಡಿ ಸಾರ್ವಜನಿಕರಿಗೆ ಕುಡಿಯುವ ನೀರಿನ ಸರಬರಾಜು ಮಾಡುವ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ, ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಹಾಲಿ ಕೊರೆದಿರುವ ಕೊಳವೆ ಬಾವಿಗಳ ಪಂಪು ಮತ್ತು ಮೋಟಾರ್‌ಗಳ ರಿಪೇರಿ ಹಾಗೂ ಅಗತ್ಯ ಬಿಡಿ ಭಾಗಗಳನ್ನು ಒದಗಿಸಿ 6 ತಿಂಗಳ ಅವಧಿಗೆ ಬೋರ್‌ವೆಲ್‌ಗಳ ನಿರ್ವಹಣೆ ಮಾಡುವುದು.
2. ಟ್ಯಾಂಕರ್ ಮುಖಾಂತರ ದಿನಕ್ಕೆ 5 ಲೋಡ್‌ನಂತೆ 5 ತಿಂಗಳ ಅವಧಿಗೆ ಕುಡಿಯುವ ನೀರಿನ ಸರಬರಾಜು ಮಾಡುವುದು ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು Water Supply and UGD Works CSR 2021-22 & PWD-2021-22 ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು 2023-24 ನೇ ಸಾಲಿನ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ-1802ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ಕೋರಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-74

# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

**Estimate Cost Rs. 2000000.00**

**Name of Work:** Maintenance of Existing Borewells in ward No. 08- Amruthahalli Surrounding area

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | The lifting of submergible pumpset from well. PWD, CSR SR 2023-24 Vol-5 (P- 149 I-13.3.20) | Each | 2 | 35 | | | **70** | 1500.00 | **105000.00** |
| 2 | The Transportation of pumping machineries PWD, CSR SR 2023-24 Vol-5 (P- 149 I-13.3.18) | Each | 35 | | | | **35** | 1200.00 | **42000.00** |
| 3 | Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.1.8) Above 7.5 HP to up to 8.0 HP | Each | 5 | | | | **5** | 4019.00 | **20095.00** |
| 4 | For all types of submersible pumpsets above 10 HP and upto 11 H.P. PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.1.13) | Each | 5 | | | | **5** | 5157.00 | **25785.00** |
| 5 | For all types of submersible pumpsets above 12 HP and upto 13 H.P PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.1.15) | Each | 10 | | | | **10** | 5983.00 | **59830.00** |
| 6 | For all types of submersible pumpsets 15HP to 20 HP PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.1.18) | Each | 15 | | | | **15** | 8930.00 | **133950.00** |
| 7 | Pump bowls of same type and make PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.1) | No. | 25 | | | | **25** | 1500.00 | **37500.00** |
| 8 | Intermediate Piece (I.P) With IP Leaded Bronxe bush PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.2) | No. | 25 | | | | **25** | 1050.00 | **26250.00** |
| 9 | Upper Flange PWD, CSR SR 2023-24 Vol-5 (P- 148 I-13.3.7) | No. | 35 | | | | **35** | 650.00 | **22750.00** |
| 10 | lower Flange PWD, CSR SR 2023-24 Vol-5 (P- 148 I-13.3.8) | No. | 35 | | | | **35** | 650.00 | **22750.00** |
| 11 | Upper/ Lower Housing PWD, CSR SR 2023-24 Vol-5 (P-148 I-13.3.9) | No. | 35 | | | | **35** | 1200.00 | **42000.00** |
| 12 | Guide vane PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.5) | No. | 35 | | | | **35** | 700.00 | **24500.00** |
| 13 | Impeller Shell moulded with aluminium Bronze) PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.6) | No. | 35 | | | | **35** | 1500.00 | **52500.00** |
| 14 | Discharge outlet (D.O) Bearing D.O Steel Bush PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.7) | No. | 35 | | | | **35** | 2050.00 | **71750.00** |
| 15 | Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.10) | No. | 10 | | | | **10** | 1500.00 | **15000.00** |
| 16 | Pump Coupling (Stainless Steel) PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.12) | No. | 20 | | | | **20** | 1500.00 | **30000.00** |
| 17 | Stud and Nuts PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.3.14) | Each | 40 | | | | **40** | 200.00 | **8000.00** |
| 18 | Motor Base With Pin PWD, CSR SR 2023-24 Vol-5 (P-147 I-13.3.17) | Each | 35 | | | | **35** | 500.00 | **17500.00** |
| 19 | The Starter of Motor up to 4 to 5 HP PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.3.3) | No. | 20 | | | | **20** | 3500.00 | **70000.00** |
| 20 | The Rotor of Motor up to 4 to 5 HP PWD, CSR SR 2023-24 Vol-5 (P- 148 I-13.3.6) | No. | 20 | | | | **20** | 2000.00 | **40000.00** |
| 21 | Carbon Housing PWD, CSR SR 2023-24 Vol-5 (P- 148 I-13.3.11) | No. | 35 | | | | **35** | 2000.00 | **70000.00** |
| 22 | The Carbon Housing (Thrust bearing block assembly complete with segment bearing pad. PWD, CSR SR 2023-24 Vol-5 (P- 148 I-13.3.12) | No. | 35 | | | | **35** | 2200.00 | **77000.00** |
| 23 | Oil Seal PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.3) | No. | 30 | | | | **30** | 350.00 | **10500.00** |
| 24 | Oil Seal Steel Bush PWD, CSR SR 2023-24 Vol-5 (P-148 I-13.2.4) | No. | 30 | | | | **30** | 250.00 | **7500.00** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 25 | Steel bearing Bush PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.8) | No. | 35 | | | | **35** | 400.00 | **14000.00** |
| 26 | Allen Screw PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.9) | No. | 40 | | | | **40** | 1200.00 | **48000.00** |
| 27 | Pump Key (Stainless Steel) PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.11) | No. | 35 | | | | **35** | 650.00 | **22750.00** |
| 28 | Non – return valve (NRV) assembly complete with rubber 'O' Ring PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.13) | No. | 10 | | | | **10** | 650.00 | **6500.00** |
| 29 | Cable Guard PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.14) | No. | 25 | | | | **25** | 350.00 | **8750.00** |
| 30 | Strainer PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.15) | No. | 25 | | | | **25** | 450.00 | **11250.00** |
| 31 | Brass Filter PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.2.16) | No. | 30 | | | | **30** | 1050.00 | **31500.00** |
| 32 | Lock Ring PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.3.10) | Each | 30 | | | | **30** | 350.00 | **10500.00** |
| 33 | The Carbon Housing (Top carbond / ferrodo padding) PWD, CSR SR 2023-24 Vol-5 (P- 147 I-13.3.13) | Each | 30 | | | | **30** | 350.00 | **10500.00** |
| 34 | Bearing (Gunmetal) Centrifugal) Cast Aluminium Bronxe, Beaing bush PWD, CSR SR 2023-24 Vol-5 (P-149 I-13.3.15) | Each | 35 | | | | **35** | 850.00 | **29750.00** |
| 35 | Circillps PWD, CSR SR 2023-24 Vol-5 (P- 149 I-13.3.16) | Each | 35 | | | | **35** | 200.00 | **7000.00** |
| | **Genaral Items** | | | | | | | | |
| 38 | Earth work excavation for pipeline trenches in all kinds of soils by mechanical means as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm wherever necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata.(PWD SR 2023-24 Vol -I Pg No 10 item no 1.17.1) All kinds of soils. Depth upto 1.50 m | Cum | | | | | | | |
| | | | 1 | 210.00 | 0.60 | 0.45 | 56.70 | | |
| | | | | | | | **56.70** | 288.20 | **16340.94** |
| | Basic Rate | 262.00 | | | | | | | |
| | Add 10% Area Weightage | 26.20 | | | | | | | |
| | Total | 288.20 | | | | | | | |
| 39 | Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.75mm(weight of pipe -0.917 kg) (PWD SR 2023-24 Vol-V Page No.113, Item No.10.1.5 ) | Mtr | | | | | | | |
| | PVC pipes 75mm dia., 6 kg/sqcm | | | | | | | | |
| | | | 1 | 210.00 | | | 210.00 | | |
| | | | | | | | **210.00** | 226.60 | **47586.00** |
| | Basic Rate | 220.00 | | | | | | | |
| | 3% Area Weightage | 6.60 | | | | | | | |
| | Total | 226.60 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 40 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labo complete as per specifications (PWD SR 2023-24 Vol -I Pg No 7 item no 1.10) | Cum | | | | | | | |
| | | | Qty. Vide Item No. | | | | **56.70** | 164.80 | **9344.16** |
| | | | | | | | | | |
| | Basic Rate | 160.00 | | | | | | | |
| | 3% area weightage | 4.80 | | | | | | | |
| | Total | 164.80 | | | | | | | |
| | | | | | | | **Total A** | | **1305931.10** |
| 41 | **Water Tanker** | | | | | | | | |
| A | Supply of Drinking Water through water tankers of Capacity 5000 Liters Hiring of Water Tanker (Page No. XLVIII, Code No. 1032) PWD SR 2018-19 | per day | 1 | | | | 1.00 | 410.00 | **410.00** |
| B | 1023 - Hire Charges of Tractor 40 HP including Operator and Fuel (P. XLVIII/I. 19) PWD SR 2018-19 | per day | 1 | | | | 1.00 | 1288.00 | **1288.00** |
| C | Procurement of Water --Rs. 216.00 / Load (5000 Liters) Considering 5000 Liters cost is Rs. 108.00/Load Considering 5 Loads/Day 5X108.00=540.00 | Per Load | 5 | | | | 5.00 | 108.00 | **540.00** |
| D | Providing causal labours (unskilled mazdoor heavy) (PWD SR 2023-24 Page NO A-50/ SLNo.IV 1) | Per Day | 1 | | | | 1.00 | 643.40 | **643.40** |
| | | | | | | | | | **2881.40** |
| | | **For 5 Load (2881.40/5)** | | | | | | | |
| | | | | **Say, Rs. 576.00/Load** | | | | | |
| | Tota-B Considering 1 Tractors 4 Loads/Day and for 5 Months 1X5X150X576.00 | | | | | | | | **345600.00** |
| | | | | | | | | | |
| | | | | Total | | | | | **1651531.00** |
| | | | | Add 18% GST | | | | | **297276.00** |
| | | | | Add Tender Primium 3% | | | | | **49546.00** |
| | | | | Miscellaneous and Unforeseen Charges | | | | | **1647.00** |
| | | | | Grand Total Amount | | | | | **2000000.00** |

**CERTIFICATE :**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD CSR 202-24 and PWD 2018-19 SR and Aproved rates
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Kodigehalli Sub Division

ADMINISTRATIVE SANCTION
Accorded for Rs. 20.00 Lakhs
Head of A/c. P-1802
Div. Ref. No. 23 Date 9-9-24
AE
EE(BTP) BBMP

TECHNICAL SANCTION
Accorded for Rs. 20.00 Lakhs
Head of A/c. P-1802
Div. Ref. No. 16 Date 9.9.24
AE
EE(BTP) BBMP